Morocco - Irrigation

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Overview

Identification

COUNTRY
Morocco

EVALUATION TITLE
Irrigation

EVALUATION TYPE
Independent Evaluation

ID NUMBER
DDI-MCC-MAR-IRR-2013-v01

Version

VERSION DESCRIPTION
- v01: Edited, anonymous dataset for public distribution.

Overview

ABSTRACT
The objective of the survey is to establish the baseline situation (2008-09) (pre-project status) of the principal indicators of the monitoring and evaluation plan of the arboriculture fruit project. The survey describes the situation of the agriculture and agro professional activity in the rain growing zones of the olive and almond trees as well as in the PMH and Oasis zones for the rehabilitation of the olive and date palms.

The data relates to the variables of agricultural revenue approximated by the gross margin, olive tree coverage areas, olive and date palms, production and yields of three species, degree of application of good production practices, product enhancement to the level of packaging and processing units, volume of quality products obtained, etc

For the professional organizations and the production enhancement unit (olive, date, and almond), the survey collects data on the structural and functional aspects (assets and personnel, services provided to the members, system functionality, capacity and level of activity, capital employed, quantities processed, means of financing, turnover, duration of activity)

The data for each of the four zones are analyzed by considering sampling as two-stage stratified (perimeters and farms, or perimeters and OPA/UV)

EVALUATION METHODOLOGY
Other (Performance Evaluation)

UNITS OF ANALYSIS
Farms

Professional Agriculture Organizations (OPA)

Valuation unit (UV)

KIND OF DATA
Sample survey data [ssd]

TOPICS

Topic	Vocabulary	URI
agriculture		

Topic	Vocabulary	URI
irrigation		
farming		

KEYWORDS
agriculture, irrigation, farming

Coverage

GEOGRAPHIC COVERAGE
25 provinces situated in rain zones, irrigation or oasises

Geographic unit: the perimeter

UNIVERSE
Farms, professional farming organizations and recovery units of 329 agricultural perimeters

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Agriconsulting Maroc	

FUNDING

Name	Abbreviation	Role
Millennium Challenge Corporation	MCC	

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Millennium Challenge Corporation	MCC		Review of Metadata

DATE OF METADATA PRODUCTION
2013-09

DDI DOCUMENT VERSION
Version 1

DDI DOCUMENT ID
DDI-MCC-MAR-IRR-2013-v01

MCC Compact and Program

COMPACT OR THRESHOLD
Morocco Compact

PROGRAM
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MCC SECTOR
Agriculture and Irrigation (Ag & Irr)

Sampling

Study Population

Farms, professional farming organizations and recovery units of 329 agricultural perimeters

Sampling Procedure

For each of the four zones
- Stratification of the population according to a stratification criteria
- Selection of a sampling of perimeters with unequal probabilities chosen proportional to their size in terms of the number of farms with reductions (primary units)
- Choice of a fixed number of farms per perimeter according to the quota method based on the agricultural area

Extension zone of olive trees :
- Stratum : 5 agro-ecological zones
- Number of farms per perimeter : 30
- Number of sampling of farms: 1020

Extension zone of almond trees:
- Stratum : 5 agro-ecological zones Number of farms per perimeter: 30
- Number of sampling of farms: 120

Zone PMH of olive tree plantations :
- Stratum : 3 classes of regularity of water resources (perennial, seasonal, mixed)
- Number of farms per perimeter: 40
- Number of sampling of farms: 640

Oasis zone of date palm plantations:
- Stratum : 2 types of irrigation (regulated water and non-regulated water)
- Number of farms per perimeter: 150
- Number of sampling of farms: 900

The survey also touches on all agricultural professional organizations (OPA) and active validation units (UV) around the olive trees, the date palms, and the almond drees whose area of influence includes the areas selected in the samples of different areas:
Extension zone of olive trees :
- Number of UV : 140
- Number of OPA : 41

Extension zone of almond trees :
- Number of UV :0
- Number of OPA : 2 (not included in the collection)

PMH zones of the olive trees :
- Number of UV : 83
- Number of OPA : 40

Oasis zones of date palms :
- Number of UV : 12
- Number of OPA : 12

Questionnaires

Overview

Four zones of study :
- Small and medium hydraulics (PMH)
- Rainy olive tree
- Rainy almond tree
- Oasis

For each zone, there are the following questions :
- Farm fact sheet : General data
- Farm fact sheet : Animal production
- Farm fact sheet : Olive trees
- Farm fact sheet : Almond trees
- Farm fact sheet : Date palms
- Farm fact sheet : Annual crops and other arboreal species
- Valuation unit fact sheet
- Professional organization fact sheet

Data Collection

Data Collection Dates

Start	End	Cycle
2010-10-05	2010-12-16	Baseline

Data Collection Notes

Farms, professional agricultural organizations and recovery units are identified by indirect identifiers

Questionnaires

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Data Processing

No content available

Data Appraisal

Estimates of Sampling Error

Approximate treatment according to stratified two-stage sampling. The units of the first degree (perimeters) are selected with probability proportional to their size and the number of secondary units per primary unit is fixed